

## Patent Abstracts of Japan

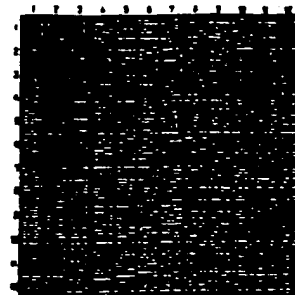
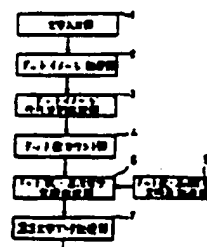
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TITLE : METHOD AND APPARATUS FOR  
 CREATING VARIABLE DENSITY  
 CHARACTER DATA



ABSTRACT : PURPOSE: To convert a character to a gray-scale character data easily by a method wherein a dot image is into cells, the number of cells having dots and the number of cells having no dot are counted, and each cell is converted to a gray-scale dot signal having one density among multistep densities according to the number of dots in the cell.  
 CONSTITUTION: In order to form aimed 12X12-dot mesh from a 96X96-dot mesh, the 96X96 dots mesh is transformed into 12X12 cells having respective 8 dots vertically laterally in each cell with a dot image nXn diving processing part 3. How many dots among 64 dots in one cell are under a dot presenting state are counted with a number-of-dot counting part 4. It is converted to a gray-scale dot signal expressing one density dot among 16-step densities according to the number of dots with a number-of-dot and density signal converting processing part 6. 12X12 gray-scale dot signals of the character is read out from a gray-scale character data memory part 7 to be outputted to a display capable of displaying 16-step of gradation. The character is displayed with gray-scale dots having the density determined for each cell of 12X12 cells.

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